



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov



CONFIRMATION NO. 9270

Bib Data Sheet

| | | | | |
|-----------------------------|-----------------------------------|--------------|------------------------|----------------------------------|
| SERIAL NUMBER 09/824,060 | FILING DATE 04/03/2001 RULE | CLASS 360 | GROUP ART UNIT 2651 | ATTORNEY DOCKET NO. 109164 |
|-----------------------------|-----------------------------------|--------------|------------------------|----------------------------------|

APPLICANTS

Koji Shimazawa, Chuo-Ku, JAPAN;
 Tsuyoshi Umebara, Chuo-Ku, JAPAN;
 Satoru Araki, Chuo-Ku, Japan

CONTINUING DATA *****

** FOREIGN APPLICATIONS *****

JAPAN 2000-118, 447 04/19/2000

IF REQUIRED, FOREIGN FILING LICENSE

GRANTED ** 05/10/2001

| | | | | |
|--|------------------------------|-------------------------|-----------------------|----------------------------|
| Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no | STATE OR COUNTRY JAPAN | SHEETS DRAWING 17 | TOTAL CLAIMS 17 | INDEPENDENT CLAIMS 1 |
| 35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance | | | | |

VERIFIED AND
ACKNOWLEDGED

Examiner's Signature

Initials

ADDRESS

25944

TITLE

And

Tunnel magnetoresistive effective element, a thin film magnetic head, a magnetic head device and a magnetic disk drive device using same

| | | |
|-------------------------------|---|---|
| FILING FEE RECEIVED 710 | FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following: | <input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit |
|-------------------------------|---|---|



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 9270

| | | | | |
|-----------------------------|-----------------------------------|--------------|------------------------|----------------------------------|
| SERIAL NUMBER 09/824,060 | FILING DATE 04/03/2001 RULE | CLASS 360 | GROUP ART UNIT 2652 | ATTORNEY DOCKET NO. 109164 |
|-----------------------------|-----------------------------------|--------------|------------------------|----------------------------------|

APPLICANTS

Koji Shimazawa, Chuo-Ku, JAPAN;
 Tsuyoshi Umebara, Chuo-Ku, JAPAN;
 Satour Araki, Chuo-ku, JAPAN;

** CONTINUING DATA *****

** FOREIGN APPLICATIONS *****

JAPAN 2000-118, 447 04/19/2000

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 05/10/2001

| | | | | |
|---|------------------------------|-------------------------|-----------------------|----------------------------|
| Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no | STATE OR COUNTRY JAPAN | SHEETS DRAWING 17 | TOTAL CLAIMS 17 | INDEPENDENT CLAIMS 1 |
| 35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance | | | | |
| Verified and Acknowledged Examiner's Signature _____ Initials _____ | | | | |

ADDRESS

25944

TITLE *Title change #8/B*
 Tunnel-magnetoresistive effective element, a thin-film magnetic head, a magnetic head device and a magnetic disk drive device.

| | | |
|----------------------------|---|---|
| FILING FEE RECEIVED 710 | FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following: | <input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit |
|----------------------------|---|---|